

PERIOD  $T=2\pi\sqrt{R/g}$

FIG. 1

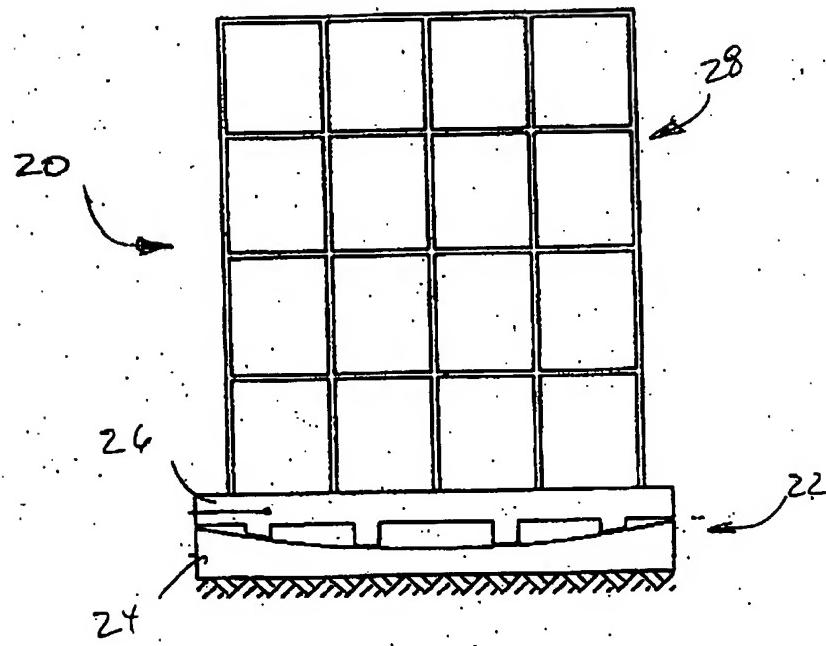
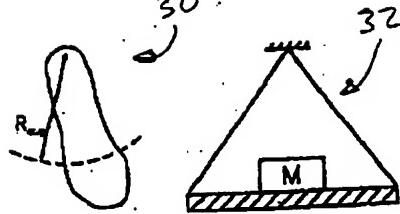
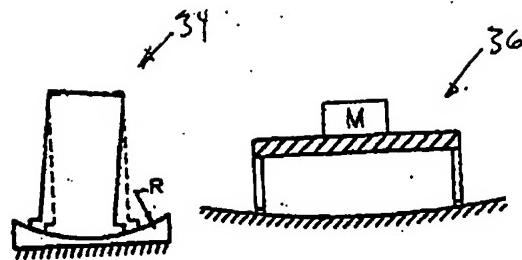


FIG. 2



COMPOUND PENDULUM MOTION



SLIDING COMPOUND PENDULUM MOTION

PERIOD  $T=2\pi\sqrt{R_{eq}/g+L_{eq}/(W.R)}$

FIG. 3

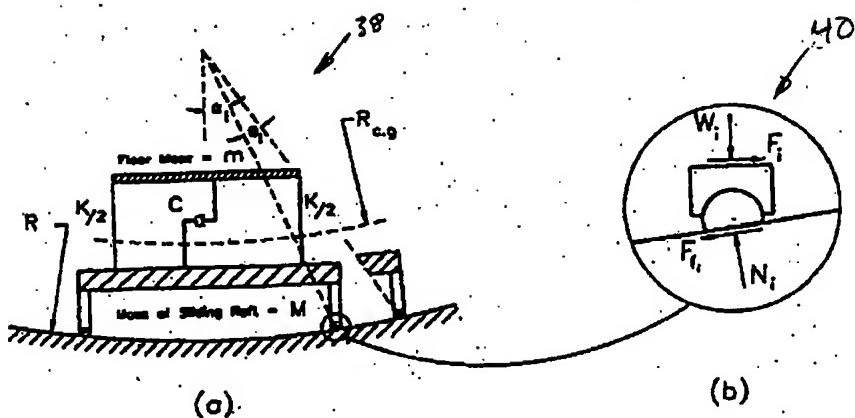
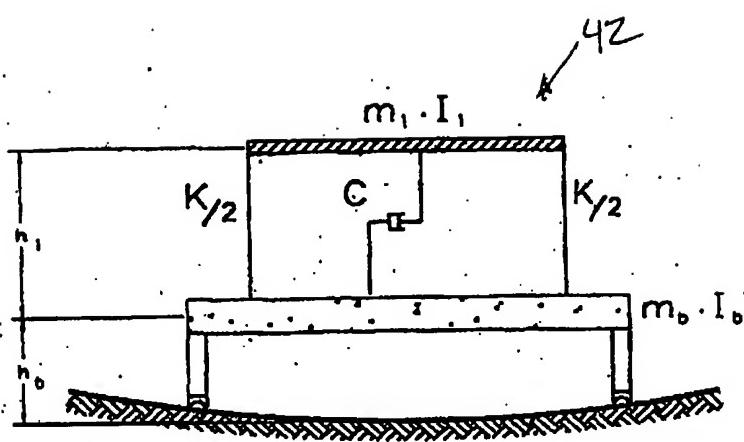


FIG. 4



$m_1 = 350.2$	kg
$I_1 = 4109$	$\text{kg} \cdot \text{m}^2$
$m_2 = 350.2$	kg
$I_2 = 4109$	$\text{kg} \cdot \text{m}^2$
$K = 8.64 \times 10^4$	N/m
$C = 550.1$	$\text{N} \cdot \text{sec}/\text{m}$
$T = 0.4$	sec
$R = 15.0$	m
$h_1 = 6.0$	m
$h_2 = 1.0$	m
$\mu = 0.08$	
$\zeta = 0.05$	

FIG. 5

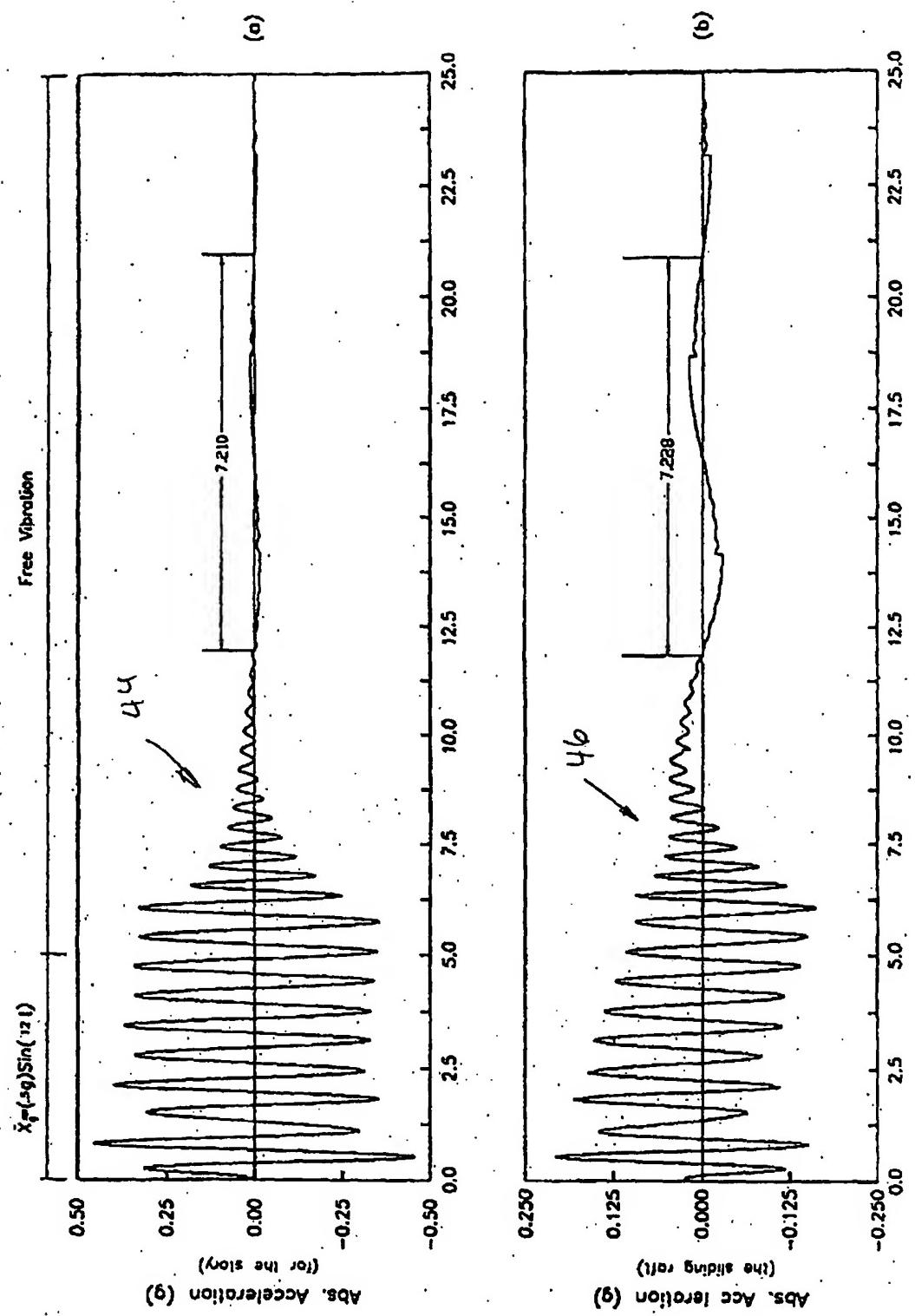
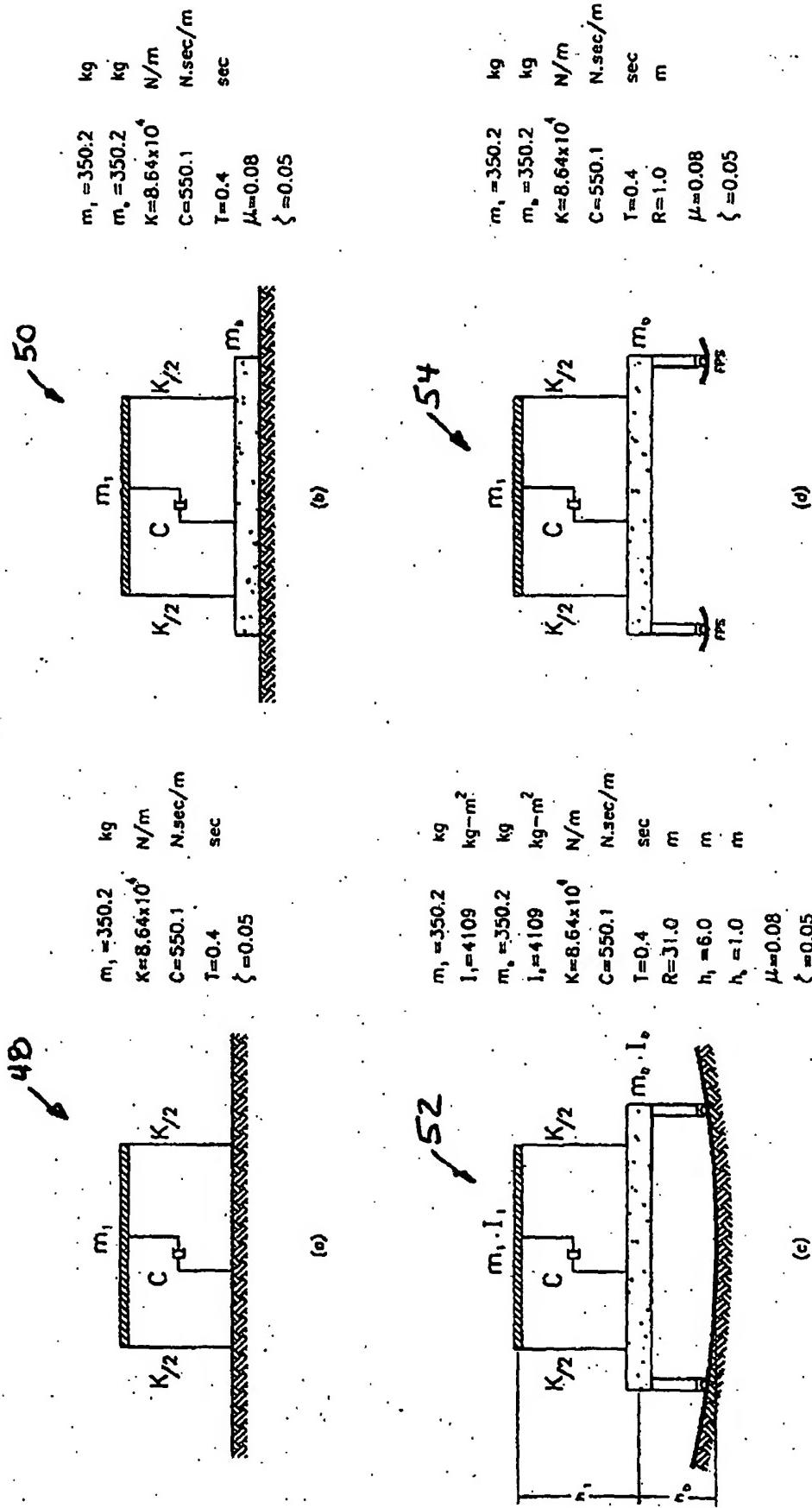


FIG. 6

FIG. 7



Tobas Earthquake (Jan. 1978, Component N16W)

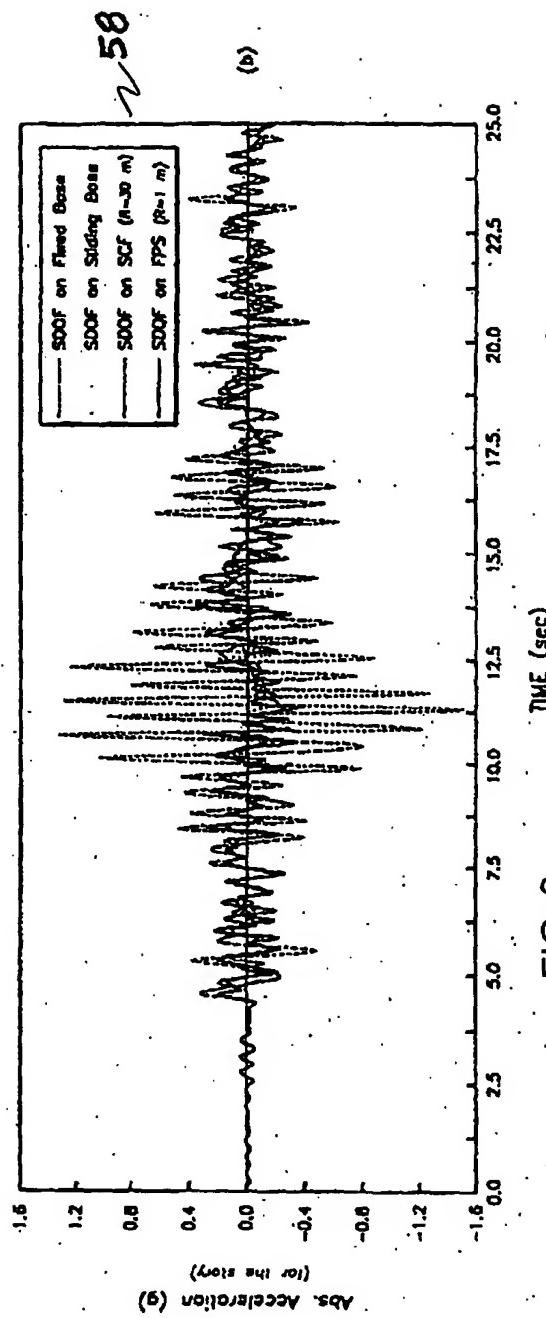
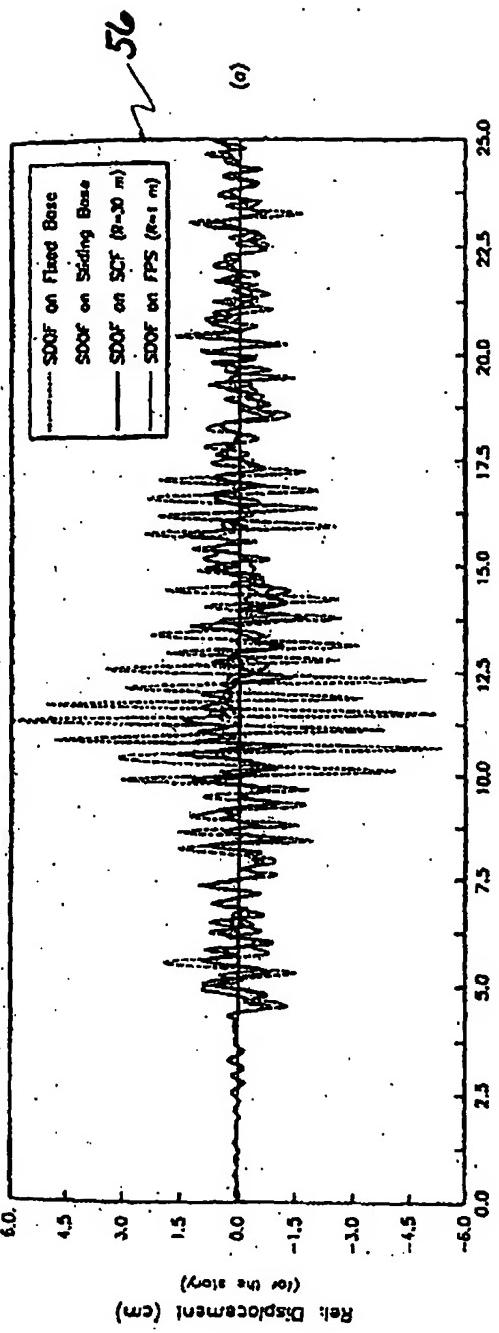
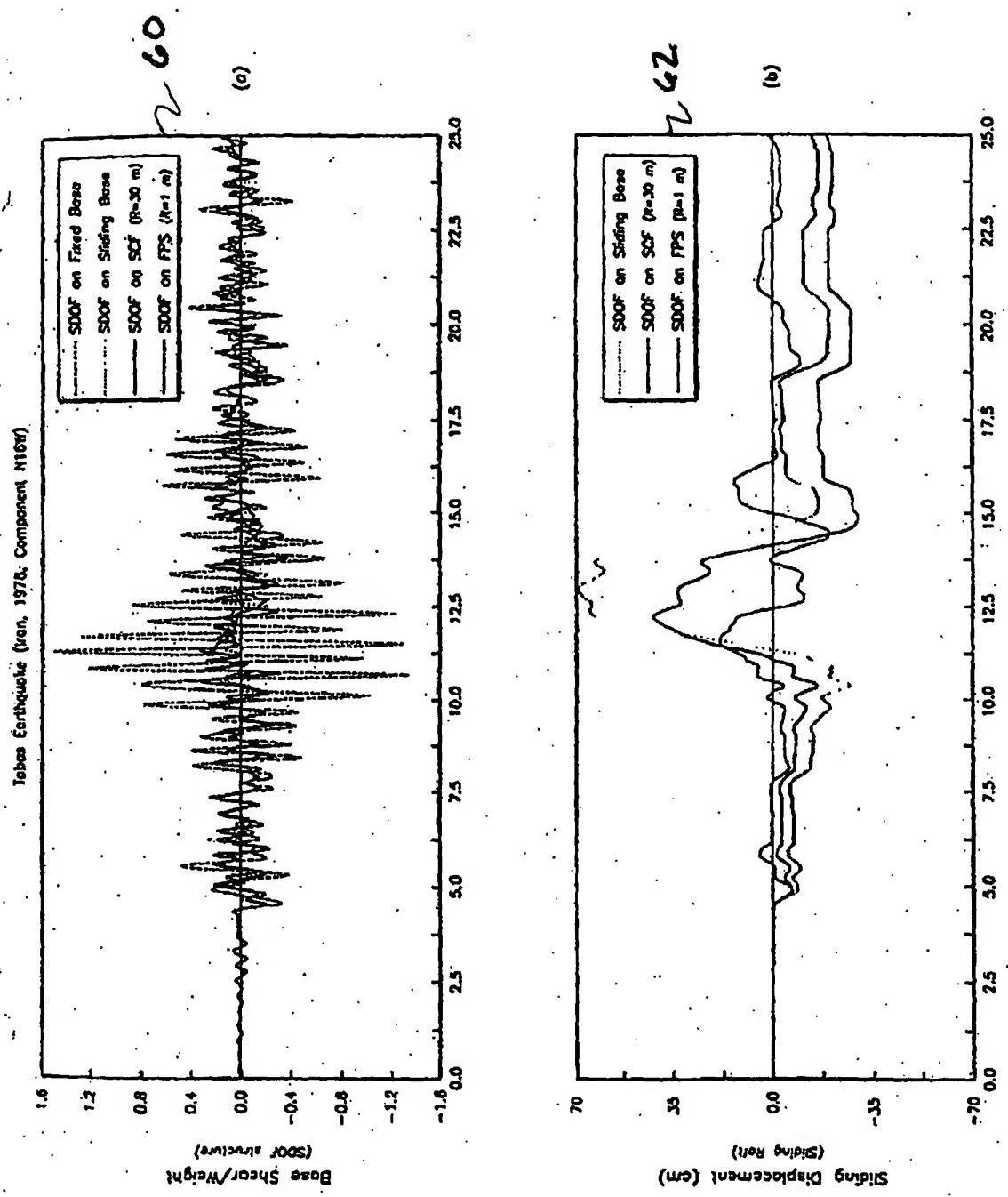


FIG. 8

FIG. 9



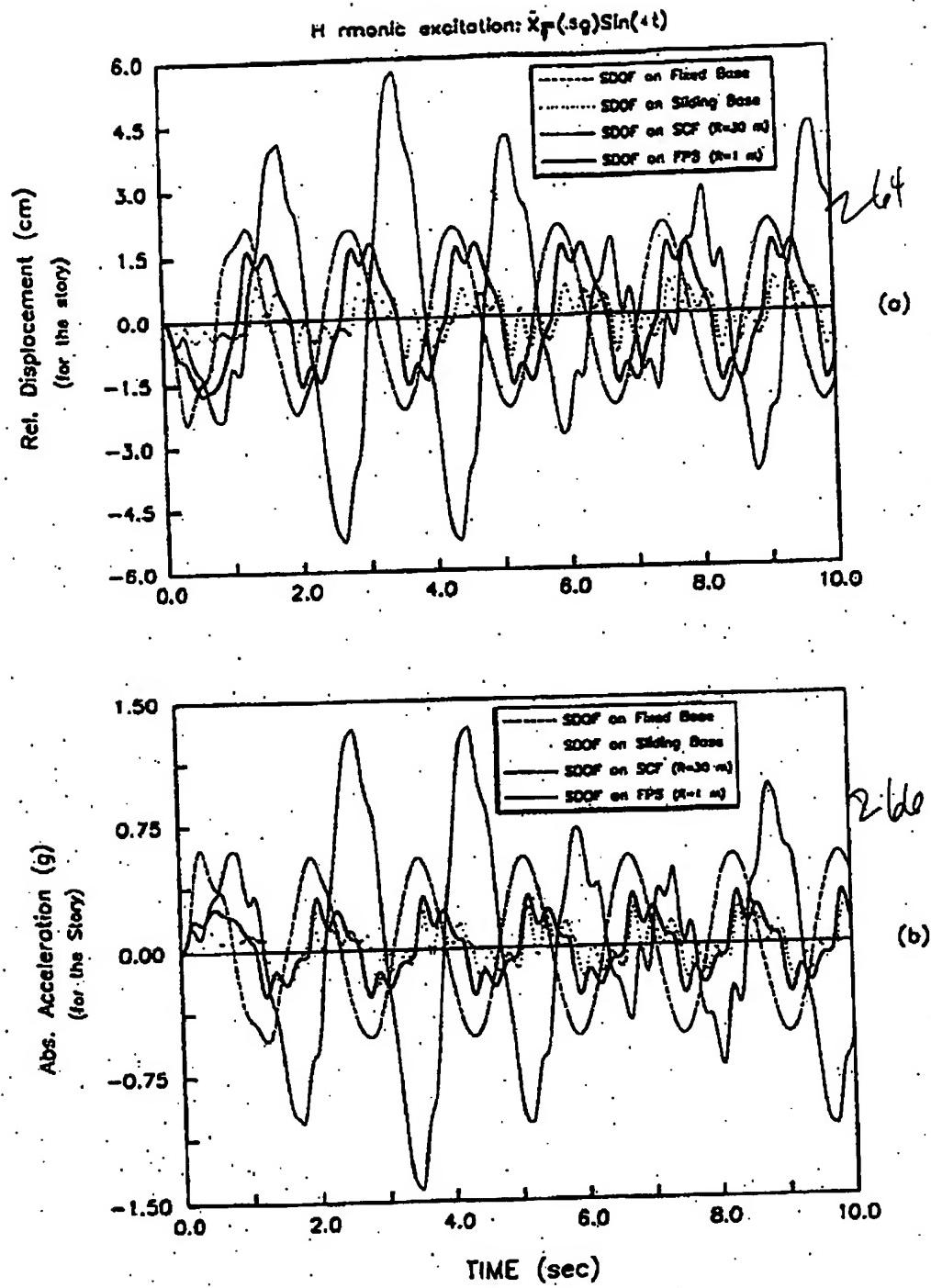


FIG. 10

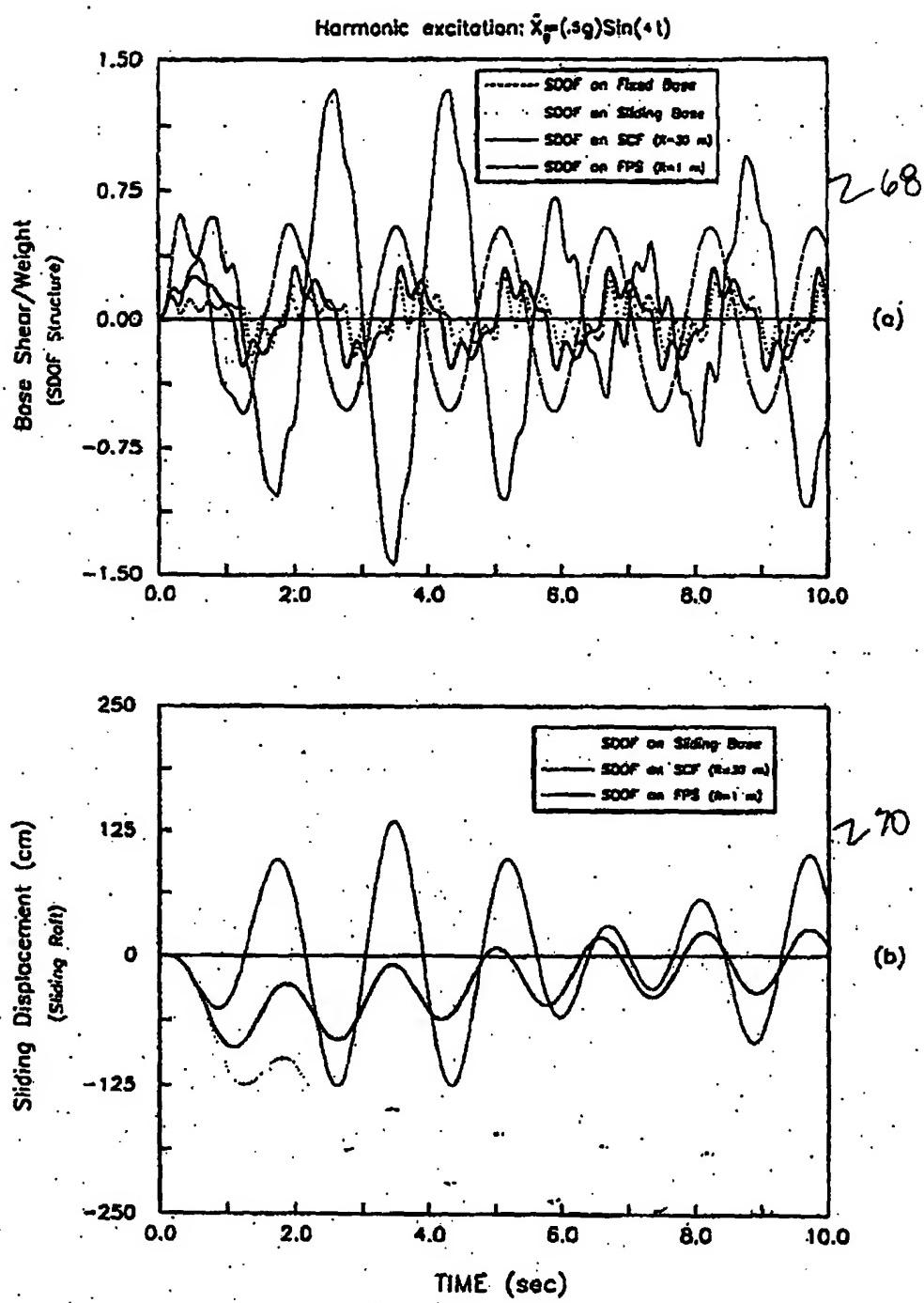


FIG. 11

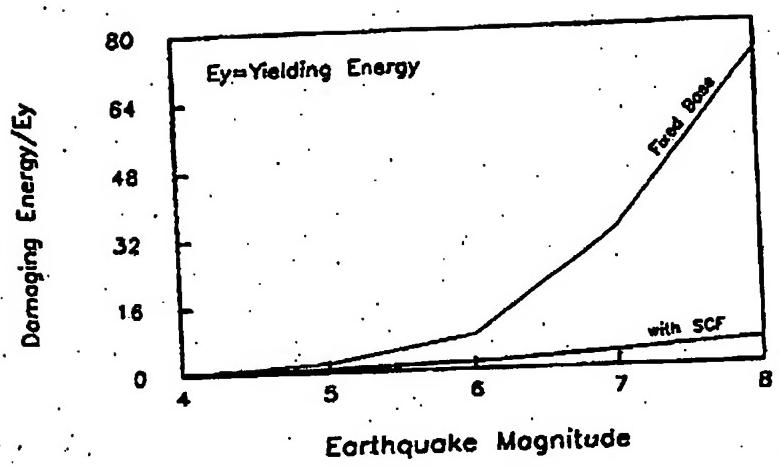


FIG. 12

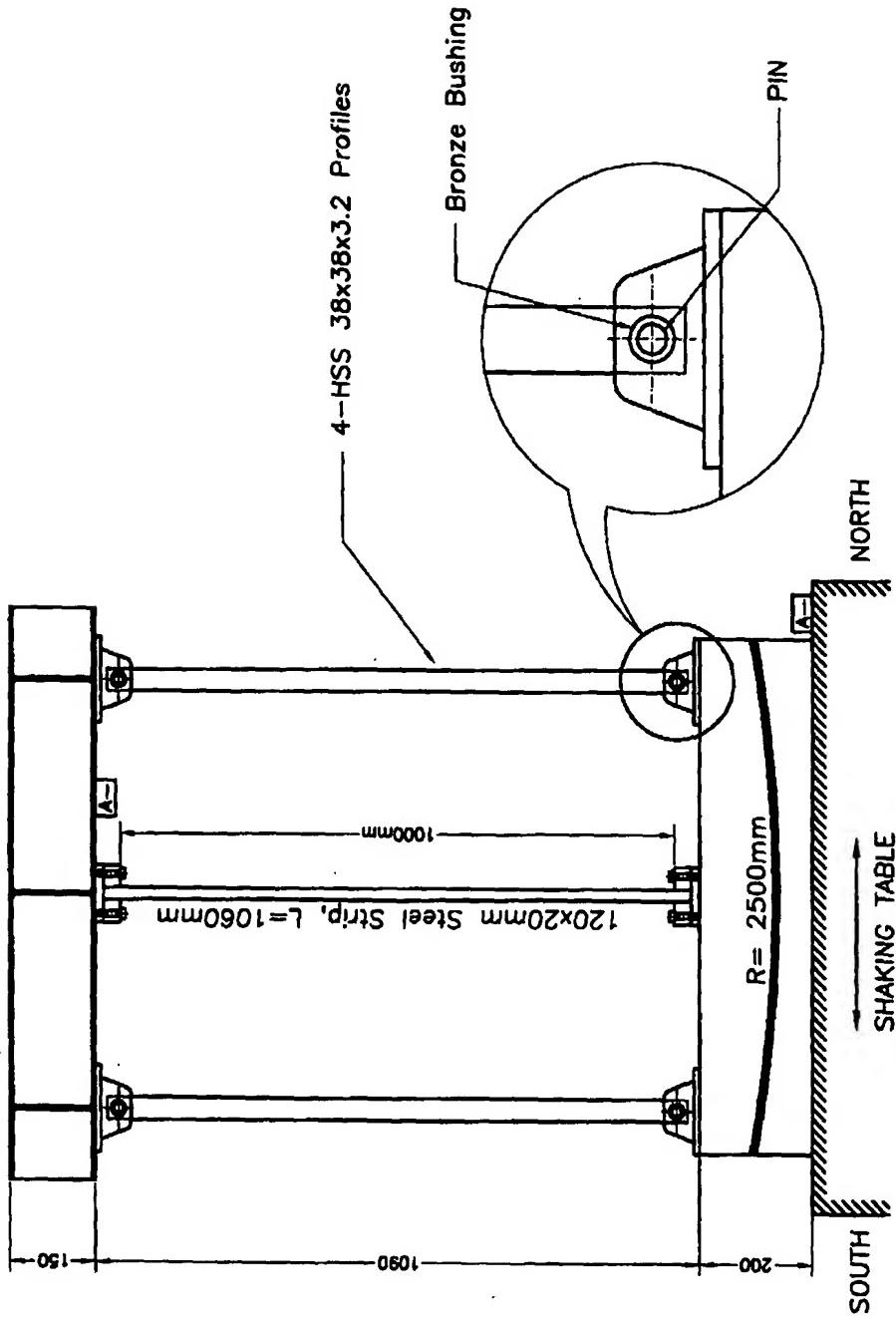


Figure 13

FIG. 14

